

Appl No.: 10/572198

Response dated: September 18, 2008

Office Action dated: July 17, 2008

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A coaxial connector comprising:

a first section comprising:

a unitary body comprising:

a tubular portion disposed about a first axis, the tubular portion having an inner surface and an outer surface, the inner surface defining a first bore disposed about the first axis, and

an angled portion having an inner surface defining a second bore disposed about a second axis, the second axis intersecting the first axis;

an insulating tube disposed within the body and contacting the inner surface of the body, the insulating tube being disposed within the first bore and having an inner surface and an outer surface, the outer surface of the insulating tube contacting the inner surface of the tubular portion of the body; and

a first inner terminal disposed within the body, the inner terminal comprising a first portion and a second portion, the first portion extending along the first axis disposed within the first bore and contacting the inner surface of the tubular portion of the body, and the second portion extending along the second axis disposed within the second bore, said second portion defining an integral angled node; and

a second section mated with the first section, the second section comprising:

a tubular shell disposed about the second axis and comprising an inner surface;

a tubular insulator disposed within and contacting the tubular shell; and

a second inner terminal disposed within and contacting the tubular insulator, the second inner terminal comprising a first portion and a second portion;

wherein the angled portion of the body matingly engages the tubular shell; and

Appl No.: 10/572198
Response dated: September 18, 2008
Office Action dated: July 17, 2008

wherein the second portion of the first inner terminal releasably contacts the first portion of the second inner terminal.

2. **(Original)** The connector of Claim 1 wherein the first section is releasably attached to the second section.
3. **(Original)** The connector of Claim 1 wherein the first inner terminal is capable of moving longitudinally along the second axis without losing contact with the second inner terminal.
4. **(Original)** The connector of Claim 1 wherein the angled portion of the body threadedly engages the tubular shell.
5. **(Original)** The connector of Claim 1 wherein the angled portion of the body comprises a locking ridge and the tubular shell comprises a locking groove adapted to receive the locking ridge.
6. **(Original)** The connector of Claim 1 wherein the tubular shell comprises a locking ridge and the angled portion of the body comprises a receiving groove adapted to receive the locking ridge.
7. **(Original)** The connector of Claim 1 further comprising a nut disposed on the outer surface of the tubular portion of the body.
8. **(Original)** The connector of Claim 1 further comprising a conical guide disposed within the tubular shell and contacting the second inner terminal.
9. **(Previously Presented)** The connector of Claim 1 wherein the first inner terminal comprises a recess adapted to receive a first end of the second inner terminal.

Appl No.: 10/572198

Response dated: September 18, 2008

Office Action dated: July 17, 2008

10. **(Previously Presented)** The connector of Claim 1 wherein a second end of the second inner terminal is adapted to receive a central conductor of a coaxial cable.

11. **(Original)** The connector of Claim 1 wherein the first and second axes extend at an angle (α) relative to each other.

12. **(Original)** The connector of Claim 11 wherein the angle (α) is substantially 90 degrees.

13. **(Original)** The connector of Claim 1 wherein the first portion of the first inner terminal comprises a male end.

14. **(Original)** The connector of Claim 1 wherein the second portion of the first inner terminal comprises a male end.

15. **(Original)** The connector of Claim 1 wherein the second portion of the first inner terminal comprises a female end.

16. **(Original)** The connector of Claim 1 wherein the first portion of the first inner terminal comprises a female end.

17. **(Currently Amended)** The combination of a first coaxial connector section and a second coaxial connector section, wherein the first coaxial connector section comprises:

a unitary body comprising:

a tubular portion disposed about a first axis, the tubular portion having an inner surface and an outer surface, the inner surface defining a first bore disposed about the first axis, and

an angled portion having an inner surface defining a second bore disposed about a second axis, the second axis intersecting the first axis;

an insulating tube disposed within the body and contacting the inner surface of the body, the insulating tube being disposed within the first bore and having an inner

Appl No.: 10/572198

Response dated: September 18, 2008

Office Action dated: July 17, 2008

surface and an outer surface, the outer surface of the insulating tube contacting the inner surface of the tubular portion of the body; and

a first inner terminal disposed within the body, the inner terminal comprising a first portion and a second portion, the first portion extending along the first axis disposed within the first bore and contacting the inner surface of the tubular portion of the body, and the second portion extending along the second axis disposed within the second bore, said second portion defining an integral angled node; and

wherein the second coaxial connector section is adapted to mate with the first section, the second coaxial connector section comprising:

a tubular shell disposed about the second axis and comprising an inner surface;

a tubular insulator disposed within and contacting the tubular shell; and

a second inner terminal disposed within and contacting the tubular insulator;

wherein the angled portion of the body is adapted to matingly engage the tubular shell; and

wherein the first inner terminal is adapted to releasably contact the second inner terminal.

18. **(Previously Presented)** The connector of Claim 10 wherein no dielectric material surrounds the second end of the second inner terminal.

19. **(Previously Presented)** The connector of Claim 17 wherein a second end of the second inner terminal is adapted to receive a central conductor of a coaxial cable, and no dielectric material surrounds the second end of the second inner terminal.

20. **(Previously Presented)** The connector of Claim 1 wherein the insulating tube does not contact the tubular insulator.